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APPLICANT Morrell et al.		GROUP 1623

## U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

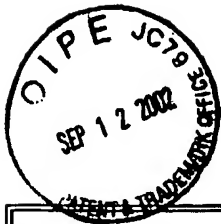
## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
AM	WO 97/45545	04.12.97	PCT	C12N 15/54	15/82	—

## OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

AM		Abel, G.J.W. et al., "Cloning and functional analysis of a cDNA encoding a novel 139 kDa starch synthase from potato ( <i>Solanum tuberosum</i> L.), (1996) <i>Plant J.</i> 10(6):981-991
		Ainsworth, C. et al., "Expression, organisation and structure of the genes encoding the waxy protein (granule-bound starch synthase) in wheat," (1993) <i>Plant Mol. Biol.</i> 22:67-82
		Baba, T. et al., "Identification, cDNA cloning, and gene expression of soluble starch synthase in rice ( <i>Oryza sativa</i> L.) immature seeds," (1993) <i>Plant Physiol.</i> 103:565-573
		Craig, J. et al., "Mutations in the gene encoding starch synthase II profoundly alter amylopectin structure in pea embryos," (March 1998) <i>Plant Cell</i> 10:413-426
		Denyer, K. et al., "Identification of multiple isoforms of soluble and granule-bound starch synthase in developing wheat endosperm," (1995) <i>Planta</i> 196:256-265
		Dry, I. et al., "Characterization of cDNAs encoding two isoforms of granule-bound starch synthase which show differential expression in developing storage organs of pea and potato," (1992) <i>Plant J.</i> 2(2):193-202
↓		Edwards, A. et al., "Biochemical and molecular characterization of a novel starch synthase from potato tubers," (1995) <i>Plant J.</i> 8(2):283-294
AM		Gao, M. et al., "Characterization of <i>dull1</i> , a maize gene coding for a novel starch synthase," (March 1998) <i>Plant Cell</i> 10:399-412

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Am			Harn, C. et al., "Isolation and characterization of the zSSIa and zSSIb starch synthase cDNA clones from maize endosperm," (July 1998) <i>Plant Mol. Biol.</i> 37:639-649
			Klösgen, R.B. et al., "Molecular analysis of the waxy locus of <i>Zea mays</i> ," (1986) <i>Mol. Gen. Genet.</i> 203:237-244
			Knight, M.E. et al., "Molecular cloning of starch synthase I from maize (W64) endosperm and expression in <i>Escherichia coli</i> ," (June 1998) <i>Plant J.</i> 14(5):613-622
			Li, Z. et al., "Cloning and characterization of a gene encoding wheat starch synthase I," (1999) <i>Theor. Appl. Genet.</i> 98:1208-1216
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			Okagaki, R.J., "Nucleotide sequence of a long cDNA from the rice waxy gene," (1992) <i>Plant Molecular Biology</i> 19:513-516
			Rahman, S. et al., "A complex arrangement of genes at a starch branching enzyme I locus in the D-genome donor of wheat," (1997) <i>Genome</i> 40:465-474
			Rahman, S. et al., "The major proteins of wheat endosperm starch granules," (1995) <i>Aust. J. Plant Physiol.</i> 22:793-803
			Rahman, S. et al., "Characterisation of a gene encoding wheat endosperm starch branching enzyme-I," (1999) <i>Theor. Appl. Genet.</i> 98:156-163
			Takaoka, M. et al., "Structural characterization of high molecular weight starch granule-bound proteins in wheat ( <i>Triticum aestivum</i> L.)," (1997) <i>J. Agric. Food Chem.</i> 45:2929-2934
			van der Leij, F.R. et al., "Sequence of the structural gene for granule-bound starch synthase of potato ( <i>Solanum tuberosum</i> L.) and evidence for a single point deletion in the amf allele," (1991) <i>Mol. Gen. Genet.</i> 228:240-248
			Abel et al., ✓ GenBank Accession #Y10416 (Jan. 1997) <i>S. tuberosum</i> mRNA for soluble starch synthase.
			Block et al., ✓ GenBank Accession #U48227 (Jun. 1996) <i>Triticum aestivum</i> soluble starch synthase mRNA, partial cds..
			Walter et al., ✓ GenBank Accession #AAB17085 (Oct. 1996) Starch synthase
			Walter et al., ✓ GenBank Accession #U66377 (Oct. 1996) <i>Triticum aestivum</i> starch synthase mRNA, partial cds.
↓			✓ Gao et al., ✓ GenBank Accession #AAC14014 (Apr. 1998) Starch synthase DULL1 [ <i>Zea mays</i> ]
Am			✓ Gao et al., ✓ GenBank Accession #AAC14015 (Apr. 1998) Starch synthase DULL1 [ <i>Zea mays</i> ]

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Am			p. Holst et al., GenBank Accession #AAC17969 (Nov. 2001) Granule-bound starch synthase I precursor [ <i>Chlamydomonas reinhardtii</i> ].
I			Bhullar et al., GenBank Accession #CAB40374 (Apr. 1999) Starch synthase isoform SS III [ <i>Vigna unguiculata</i> ]
I			Gao et al., GenBank Accession #CAB86618 (Apr. 2002) Starch synthase IIa-1 [ <i>Triticum aestivum</i> ]
↓			Gao et al., GenBank Accession #AJ269502 (Apr. 2002) <i>Triticum aestivum</i> mRNA for starch synthase IIa-1 (wSs2a-1 gene)
Am			Rahman et al., GenBank Accession #AF076680 (May 1999) <i>Aegilops tauschii</i> starch branching enzyme-I (SBE-I) gene, complete cds.

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